



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090504

**Mode:** Highway

**Status:** Submitted

### NC-226

**From/Cross Street:** NC 226 Alternate

**Specific Improvement Type:** 1 - Widen Existing Roadway

**To:** US 19E

**Project Category:** Regional Impact

**Length:** 4.68

**TIP#:** -

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$53,102,000

#### Description:

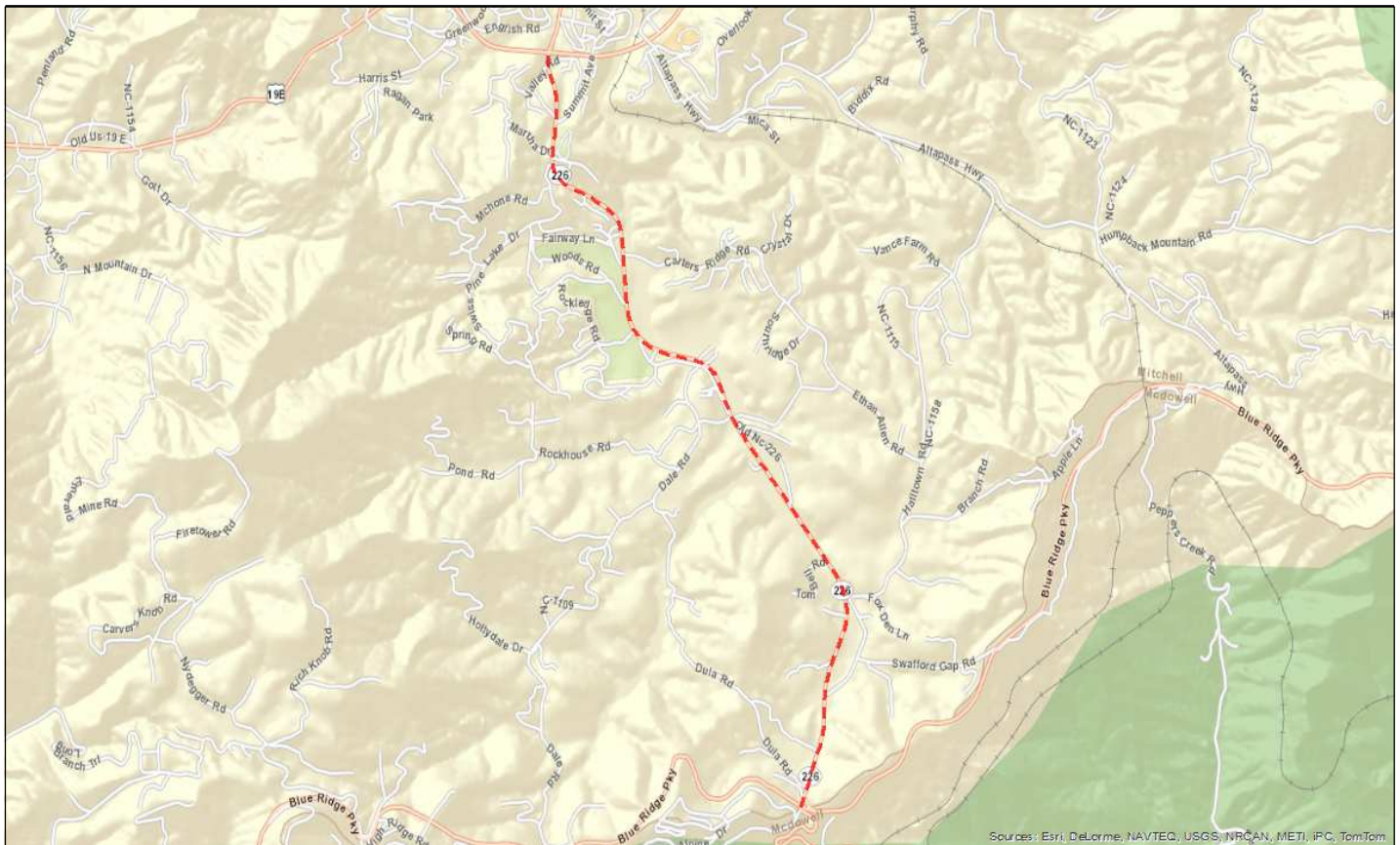
Widen to 4 Lanes

**Division(s):** Division 13

**County(s):** MITCHELL

**MPOS(s)/RPO(s):** High Country RPO, Isothermal RPO

#### Project Location



**Statewide Mobility Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
<b>Totals: Weight: 0% Weighted Score: 0</b>	N/A	N/A

**Regional Impact Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (25%) 40.57	Percent: 15% Points:	Percent: 15% Points:
Safety (10%) 66.34		
[Travel Time] Benefit/Cost (25%) 3.92		
Accessibility / Connectivity (10%) 32.63		
<b>Totals: Weight: 70% Weighted Score: 21.02</b>		

**Division Needs Total Score: 0**

<b>Quantitative Score</b>	<b>Division Engineer Local Input Points</b>	<b>MPO/RPO Local Input Points</b>
Congestion (V/C) (20%) 40.57	Percent: 25% Points:	Percent: 25% Points:
Safety (10%) 66.34		
[Travel Time] Benefit/Cost (20%) 3.92		
<b>Totals: Weight: 50% Weighted Score: 15.53</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	44
Length (miles):	4.68
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Mountainous
Lane Width:	12
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	10875.31
Capacity:	18015.97
Volume/Capacity Ratio:	0.6
% Autos:	92%
% Trucks:	8%
Truck Volume:	840.7
Crash Density:	85.29
Crash Severity:	63.98
Critical Crash Rate:	49.75
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	78
Actual Congested Speed:	0
Travel Time Index:	0

**Project Benefits**

Project Cross-Section:	4A - 4 Lane Divided (46' Depressed Median) with Paved Shoulders
Speed Limit:	55
Length (miles):	4.68
Facility Type:	Multi-Lane Highway
Access Control:	Partial
Functional Classification:	Minor Arterial
Terrain Type:	Mountainous
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	9174669.66
Travel Time Savings for 30 Years (Autos):	8465434.63
Travel Time Savings for 30 Years (Trucks):	709235.03
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	Yes
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 13

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 13	100%	0	0
	0%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
High Country RPO	100%	0	0
Isothermal RPO	0%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>0</b>	<b>0</b>

**Project Cost and Source**

Construction Cost:	\$24,054,000	TIP Unit
Right-of-Way Cost:	\$25,936,000	Cost Estimation Tool
Utilities Cost:	\$3,112,000	Cost Estimation Tool
Total Project Cost:	\$53,102,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$53,102,000</b>	